Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Claims 1-46 (cancelled)

- 47. (previously presented) A nucleic acid molecule comprising the nucleotide sequence as set forth in SEQ ID NO:125.
- 48. (currently amended) A host cell comprising a nucleic acid molecule according to claim 47-or a vector according to claim 11.
- 49. (previously presented) The host cell of claim 48, wherein said host cell is *E.coli*.
- 50. (currently amended) A method of producing a virus-like particle comprising:
 - (a) providing a nucleic acid molecule according to claim 47 or a vector according to claim 11;
 - (b) introducing said nucleic acid or said vector into a host cell; and
 - (c) expressing said nucleic acid or the sequence of said vector in said host cell to obtain a protein capable of forming said virus-like particle.
- 51. (previously presented) The method of claim 50, wherein said host cell is *E.coli*.

Claims 52-57 (cancelled)

- 58. (previously presented) A virus-like particle comprising at least one protein selected from the group consisting of:
 - (a) a protein comprising amino acids 2-131 of SEQ ID NO:1;
 - (b) a protein comprising amino acids 2-131 of SEQ ID NO:3; and
 - (c) a mutein of SEQ ID NO:1, wherein said mutein consists of an addition, deletion or substitution of one to three amino acids from amino acids 1-131 of SEQ ID NO:1.
- 59. (previously presented) The virus-like particle of claim 58, wherein said protein is recombinant.
- 60. (previously presented) The virus-like particle of claim 58 comprising at least one protein comprising amino acids 2-131 of SEQ ID NO:3.
- 61. (previously presented) The virus-like particle of claim 58 comprising at least one mutein of SEQ ID NO:1, wherein said mutein consists of an addition, deletion or substitution of one amino acid from amino acids 2-131 of SEQ ID NO:1.
- 62. (previously presented) A vector for producing an AP205 viruslike particle, wherein said vector comprises a nucleotide sequence encoding a protein comprising amino acids 2-131 of SEQ ID NO:3.
- 63. (previously presented) A vector for producing an AP205 viruslike particle, wherein said vector comprises a nucleotide sequence encoding a mutein of SEQ ID NO:1, wherein said mutein consists of an addition, deletion or substitution of one to three amino acids from amino acids 2-131 of SEQ ID NO:1.

64. (previously presented) The vector of claim 63, wherein said mutein consists of an addition, deletion or substitution of one amino acid from amino acids 2-131 of SEQ ID NO:1.

Claims 65-102 (cancelled)

- 103. (previously presented) A host cell comprising the vector of claim 62 or 63.
- 104. (currently amended) The host cell of claim 101 103, wherein said host cell is *E.coli*.
- 105. (previously presented) A method of producing a virus-like particle comprising
 - (a) providing a vector according to claim 62 or claim 63;
 - (b) introducing said vector into a host cell; and
 - (c) expressing the sequence of said vector in said host cell to obtain a protein or a mutein capable of forming a virus-like particle.
- 106. (previously presented) The method of claim 105, wherein said host cell is *E. coli*.